

S/N 09/350,251



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arye Maick et al.

Examiner: John Q. Nguyen

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Title: TRAY FLIPPER AND METHOD FOR PARTS INSPECTION

RECEIVED

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

JUL 11 2001

Commissioner for Patents
Washington, D.C. 20231

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Applicant has reviewed the Office Action mailed on March 30, 2001. Please amend the above-identified patent application as follows.

IN THE CLAIMS

Please amend claim 3 and cancel claims 1, 2, 11, and 26 without prejudice as follows (all claims are reprinted in an attachment labeled Clean Copy of Pending Claims):

1. 3. [Amended Twice] A machine-vision system for inspecting a device, the device having a first side and a second side, the machine-vision system comprising:
- a first inspection station for inspecting a first side of a device;
 - a second inspection station for inspecting a second side of a device; and
 - a tray-transfer device that operates to move the device from the first inspection station to the second inspection station, said tray-transfer device further including an inverting mechanism that operates to invert the device so that the first [second] side of the device can be inspected at the first inspection station and the second side of the device can be inspected at the second inspection station, wherein the inverting mechanism further comprises a mechanism for flipping the devices carried in a tray, the mechanism further comprising:
 - a first jaw having a surface for receiving a first tray;
 - a second jaw having a surface for receiving a second tray;
 - a mover for moving the first jaw, the first tray having a plurality of devices, the second tray, and the second jaw into engagement with each other, said first tray associated with the first jaw and the second tray associated with the second jaw; and
 - a rotator for rotating the first and second jaws.